

TETRAFLUOROETHYLENE RESIN COMPOSITION

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Applicant: NOK CORP

Classification:

- **international:** C08L27/18; C08K3/04

- **european:**

Application number: JP19970187864 19970627

Priority number(s):

Abstract of JP11021407

PROBLEM TO BE SOLVED: To obtain the subject composition capable of achieving both a low wear property and a high elongation and useful as a material for molding sliding members such as a non-cut sealing by including a specific carbon filler in a specified amount.

SOLUTION: This tetrafluoroethylene resin composition comprises about 60-95 vol.% of tetrafluoroethylene resin and about 5-40 vol.%, preferably about 20-30 wt.%, of a carbon filler having a specific surface area of $\leq 3 \text{ m}^2/\text{g}$. The components are mixed with a Henschel mixer, etc. The composition is charged into a mold, preliminarily molded with a compression molding machine at a pressure of 49-88 MPa for about 60-150 sec, and subsequently baked at about 350-390 deg.C for about 1-6 hr to provide the product long in life, high in reliability and also stable in incorporability.

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PA - (NIOD) NOK CORP

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PR - JP19970187864 19970627

XA - C1999-047674

XIC - C08K-003/04 ; C08L-027/18

AB - J11021407 A tetrafluoroethylene resin(PTFE) compsn.(X) comprises (A)
60-95 vol. % of a PTFE and (B) 40-5 vol. % of a carbon filler having a
specific surface area(SSA) of less than 3 sq.m/g. (X) is used for
sliding part-forming material.

- ADVANTAGE - (X) has a low coefficient of friction and a high
elongation.

- (Dwg.0/0)

IW - RESIN COMPOSITION SLIDE PART FORMING MATERIAL

IKW - RESIN COMPOSITION SLIDE PART FORMING MATERIAL

NC - 001

OPD - 1997-06-27

ORD - 1999-01-26

PAW - (NIOD) NOK CORP

TI - Tetrafluoroethylene resin composition - used for sliding part-forming
material

A01 - [001] 018 ; R00975 G0022 D01 D12 D10 D51 D53 D59 D69 D82 F- 7A ;
H0000 ; H0011-R ; P0511 ;

- [002] 018 ; K9449 ; B9999 B5367 B5276 ; B9999 B3907 B3838 B3747 ;
Q9999 Q7603-R ; ND01 ; N9999 N6177-R ; K9461 ;

- [003] 018 ; R05085 D00 D09 C- 4A ; A999 A237 ;